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OM nucleic - nucleic search, using SW model

Run on: March 20, 2003, 11:06:23 ; Search time 91 Seconds  
(without alignments)  
6244.748 Million cell updates/sec

Title: US-09-315-355A-47  
Perfect score: 1853  
Sequence: 1 gatccctgagcgtgtgagcag.....aaagtaattcctaacaat 1853

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Issued Patents: NA: \*  
1: /cgn2\_6/ptodata/1/ina/5A.COMB.seq: \*  
2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq: \*  
3: /cgn2\_6/ptodata/1/ina/6A.COMB.seq: \*  
4: /cgn2\_6/ptodata/1/ina/6B.COMB.seq: \*  
5: /cgn2\_6/ptodata/1/ina/PTCUS.COMB.seq: \*  
6: /cgn2\_6/ptodata/1/ina/backfile1.seq: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	62.2	3.4	7218	1	US-08-232-463-14
2	48.4	2.6	2518	4	US-09-433-699-3
3	44.8	2.4	3925	2	US-09-047-026A-3
4	42.2	2.3	1958	4	US-09-702-327-3
5	42.2	2.3	2295	1	US-08-375-300-3
6	42.2	2.3	2295	3	US-09-177-431-3
7	42.2	2.3	2295	5	PCT-US95-16930-3
8	42.2	2.3	4080	1	US-08-375-300-1
9	42.2	2.3	4080	5	US-09-177-431-1
10	42.2	2.3	4080	5	PCT-US95-16930-1
11	41.8	2.3	696	4	US-08-998-416-1050
12	41.8	2.3	3489	2	US-08-728-323A-1
13	41.8	2.3	3489	4	US-08-298-568-1
C 14	41.8	2.3	32207	4	US-08-770-379-20
C 15	41.8	2.3	32207	4	US-08-757-669A-20
C 16	41.8	2.3	32207	4	US-09-230-371A-20
17	40	2.2	2277	1	US-08-676-967-2
18	40	2.2	2277	1	US-08-676-974-2
19	40	2.2	2277	2	US-09-098-487-2
20	39.8	2.1	1242	1	US-08-252-966B-13
21	39.2	2.1	14855	2	US-08-687-080-59
22	38	2.1	289	4	US-09-007-005-17
23	38	2.1	289	4	US-09-244-796-17
24	37.4	2.0	1221	2	US-08-658-665-55
25	37.4	2.0	1221	4	US-08-796-101-19
26	37.4	2.0	1221	4	US-09-085-273-55
27	37.4	2.0	1221	4	US-09-171-699-3

28	37.4	2.0	1221	5	PCT-US94-02107-1	Sequence 1, Appli
29	37.4	2.0	1383	2	US-08-658-665-58	Sequence 58, Appl
30	37.4	2.0	1383	4	US-08-796-101-22	Sequence 22, Appl
31	37.4	2.0	1383	4	US-09-085-273-58	Sequence 58, Appl
32	37.4	2.0	1386	2	US-08-658-665-53	Sequence 53, Appl
33	37.4	2.0	1386	4	US-08-796-101-17	Sequence 17, Appl
34	37.4	2.0	1386	4	US-09-085-273-53	Sequence 53, Appl
35	37.4	2.0	1476	2	US-08-658-665-50	Sequence 50, Appl
36	37.4	2.0	1476	4	US-08-796-101-14	Sequence 14, Appl
37	37.4	2.0	1476	4	US-09-085-273-50	Sequence 50, Appl
38	37.4	2.0	1975	2	US-08-658-665-51	Sequence 51, Appl
C 39	37.4	2.0	1975	4	US-08-796-101-15	Sequence 15, Appl
C 40	37.4	2.0	1975	4	US-09-085-273-51	Sequence 51, Appl
41	37.4	2.0	2225	1	US-08-450-945-56	Sequence 56, Appl
42	37.4	2.0	2225	4	US-08-976-161-56	Sequence 56, Appl
43	37.4	2.0	2314	3	US-08-105-454-1	Sequence 1, Appli
44	37.4	2.0	2577	2	US-08-658-665-56	Sequence 56, Appl
45	37.4	2.0	2577	4	US-08-796-101-20	Sequence 20, Appl

#### ALIGNMENTS

RESULT 1  
US-08-232-463-14/C  
; Sequence 14, Application US/08232463  
; Patent No. 5670367  
; GENERAL INFORMATION:  
; APPLICANT: DORNER, F.  
; APPLICANT: SCHEIFLINGER, F.  
; APPLICANT: FALKNER, F. G.  
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 1800 Diagonal Road, Suite 500  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22313-0299  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/232,463  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/935,313  
; FILING DATE:  
; APPLICATION NUMBER: EP 91 114 300.6  
; FILING DATE: 26-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 836-9300  
; TELEFAX: (703) 683-4109  
; TELEX: 899149  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7218 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; CLONE: PTZgpt-F1s  
; US-08-232-463-14  
Query Match 3.4%; Score 62.2; DB 1; Length 7218;

Best Local Similarity 5.0%; Pred. No. 8.9e-08;  
Matches 19; Conservative 217; Mismatches 145; Indels 0; Gaps 0;

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QY 35 TCCCTCCCTATGACGCTGTTTCTAGCGTGACAGCCCTTACTGAGCATGACCAACC 94
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DB 1478 TACCTATCTATGCAAGTAAAGATAGAGAATTGGTACRRRRRRRRRRRRRRR 1419
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QY 95 GCAGCCCGCCAGTGACGTGCGCTGGGTCCGCTGGCGCGTGCACCAAGACACCAG 154
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1418 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1359
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QY 155 ACAAGGTAGAGCTAGTAAAGAAAGTAAACCCCTATGCTGAGGCAAGAGAAT 214
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1358 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1299
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QY 215 TGCAGAGAAAGTGTGTGGCAGTATGAGAAGACAGCAGTCTTCAGAGATGCA 274
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1298 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1239
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QY 275 TGCAGAGTGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 334
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1238 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1179
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QY 335 ATGACAGAGACCTGATGATGATGATGATGATGATGATGATGATGATGATGAG 394
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1178 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1119
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QY 395 AAGGTGACCCAGATGCTGAGA 415
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DB 1118 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1098
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## RESULT 2

US-09-433-699-3  
; Sequence 3, Application US/09433699B  
; Patent No. 6155786  
; GENERAL INFORMATION:  
; APPLICANT: C. Frank Bennett  
; TITLE OF INVENTION: ANTISENSE MODULATION OF NUCLEOLIN EXPRESSION  
; FILE REFERENCE: RTS-0109  
; CURRENT APPLICATION NUMBER: US/09/433,699B  
; FILING DATE: 1999-11-03  
; NUMBER OF SEQ ID NOS: 89  
; SEQ ID NO 3  
; LENGTH: 2518  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (112)..(2235)  
US-09-433-699-3

Query Match 2.6%; Score 48.4; DB 4; Length 2518;  
Best Local Similarity 47.9%; Pred. No. 0.00051;  
Matches 139; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

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QY 136 GTGCGCAAAAGACACACAGCAAGTAGAGCTGATTAAGAAAGTAAACGCTCAT 195
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DB 604 GAGGATGAAGATGAATGAACACGACGATGAAGACGAGCTGCGCCCTGCTCA 663
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 196 GCTGAGGCAAAAGAAATTGCAAGAGAAGGTGTGCTGCTGATGAAAGAGACAGCC 255
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 664 GAGGATGAGCAGATGAGATGACGAAGATGATGATGATGATGATGATGATGAT 723
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 256 AGTCTTCAGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 315
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DB 724 GACTCTGAAGAAAGCTATGAGACTACACAGCAAGAAAGAAAGAAAGCTGCAAA 783
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QY 316 GAGGATGATGACCAAGAGATGACAGAGAGCTTGTGATGATGATGATGATGATGAT 375
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DB 784 GTTCTGTGAAGAACCAAGACGTGCTGAGATGATGATGATGATGATGATGATGATG 843
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QY 376 TTAGTAAATATATGAGAGGTGACCCAGATGCTGAGCTTGTGTGA 425
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DB 844 GAGGATGACGACGACGACGAGAGATGATGATGATGATGATGATGATGATGA 893
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## RESULT 3

US-09-047-026A-3  
; Sequence 3, Application US/09047026A  
; Patent No. 5989897  
; GENERAL INFORMATION:  
; APPLICANT: Pillus, Lorraine  
; APPLICANT: Clarke, Astrid  
; APPLICANT: Lowell, Joanna  
; APPLICANT: Jacobson, Sandra  
; APPLICANT: Reitsnyder, Cheryl  
; TITLE OF INVENTION: Yeast Silencing Genes, Proteins and  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Greenlee, Winner and Sullivan, P.C.  
; STREET: 5370 Manhattan Circle, Suite 201  
; CITY: Boulder  
; STATE: Colorado  
; COUNTRY: US  
; ZIP: 80303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/047,026A  
; FILING DATE: 24-MAR-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/042,375  
; FILING DATE: 24-MAR-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ferber, Donna M.  
; REGISTRATION NUMBER: 33,878  
; REFERENCE/DOCKET NUMBER: 1-97  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (303) 499-8080  
; TELEFAX: (303) 499-8089  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3925 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Saccharomyces cerevisiae  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 1340..3835  
US-09-047-026A-3

Query Match 2.4%; Score 44.8; DB 2; Length 3925;  
Best Local Similarity 60.8%; Pred. No. 0.0071;  
Matches 73; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

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QY 306 AGAGCCCTTGAGAGATGTAACCAAGATGACAGAGCCTTGATGATGATGATGATGAT 365
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 3595 AAAAGCAAAAGAGATGAAGACGAAGCAAGAACTTAACTTGATGATGATGATGATG 3654
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 366 TGAATAGACTTATATATATATATATATATATATATATATATATATATATATAT 425
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 3655 TGAGCAAAATATCAAGAAATAATGATGAGGAGAGACACATATGAAGACAGCTGATGA 3714
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```

## RESULT 4

US-09-702-327-3  
; Sequence 3, Application US/09702327  
; Patent No. 6426220  
; GENERAL INFORMATION:  
; APPLICANT: C. Frank Bennett  
; APPLICANT: Lex M. Cowsett  
; TITLE OF INVENTION: ANTISENSE MODULATION OF CALRETTICULIN EXPRESSION  
; FILE REFERENCE: RTS-0097  
; CURRENT APPLICATION NUMBER: US/09/702,327  
; CURRENT FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 89  
; SEQ ID NO 3  
; LENGTH: 1958  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (109)..(1362)  
US-09-702-327-3

Query Match 2.3%; Score 42.2; DB 4; Length 1958;  
Best Local Similarity 63.1%; Pred. No. 0.028; Mismatches 38; Indels 0; Gaps 0;  
Matches 65; Conservative 0; Mismatches 38; Indels 0; Gaps 0;

QY 304 AGAGAGCCCTTGAGAGTGTGACCCAGAGATGACAGACGCTTGATGATGAGCTG 363  
DB 1237 AAAAGAGAGAGAGAGAGAGAGAGAGAGATGATGAGAGAGAGATGAGATGAGAGAG 1296  
QY 364 GGTGAGTACGACTTATGATATGATGAGAGAGTACCCAG 406  
DB 1297 GATGAGAGAGACAGAGAGAGATGAGAGAGATGTCCTCCG 1339

## RESULT 5

US-08-375-300-3  
; Sequence 3, Application US/08375300  
; Patent No. 5679566  
; GENERAL INFORMATION:  
; APPLICANT: Feng, He  
; APPLICANT: Jacobson, Allan S.  
; TITLE OF INVENTION: HETEROLOGOUS POLYPEPTIDE PRODUCTION IN  
; TITLE OF INVENTION: THE ABSENCE OF NONSENSE-MEDIATED MRNA DECAY FUNCTION  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson  
; STREET: 225 Franklin Street Suite 3100  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/375,300  
; FILING DATE: 20-JAN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fasse, J. P.  
; REGISTRATION NUMBER: 32,983  
; REFERENCE/DOCKET NUMBER: 04020/046001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)542-5070  
; TELEFAX: (617)542-8906  
; TELEFAX: 200154  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2295 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA

US-08-375-300-3

Query Match 2.3%; Score 42.2; DB 1; Length 2295;  
Best Local Similarity 49.8%; Pred. No. 0.03;  
Matches 107; Conservative 0; Mismatches 108; Indels 0; Gaps 0;

QY 212 AATTGCAGAGAGAGTGTGCGCATGATGAAGAGAGACAGCGCTCTTCAAGATG 271  
DB 1595 ATTACTAGAGAGAGATGAAGACGCGAGATAGTACACCGAACAAGAGTCAGCGCCG 1654  
QY 272 GCATGAGAGTGCACGACCCGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 331  
DB 1655 GAAACATCAGGCAAGACAGACGAAAGTGAAGATGAAGACGATGAGAGAGAGAGAG 1714  
QY 332 AGATGACAGAGAGCGCTTGATGATGATGAGCTGCTGAGTACGATTAATAATGATG 391  
DB 1715 ATGATGACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1774  
QY 392 AGAAGGTGACCCAGATGCTGAGACTTTGTGAA 426  
DB 1775 ATGAAGATGATGATGATGATGATGATGATGAA 1809

## RESULT 6

US-09-177-431-3  
; Sequence 3, Application US/09177431  
; Patent No. 6071700  
; GENERAL INFORMATION:  
; APPLICANT: He, Feng  
; APPLICANT: Jacobson, Allan S.  
; TITLE OF INVENTION: HETEROLOGOUS POLYPEPTIDE PRODUCTION IN THE  
; TITLE OF INVENTION: ABSENCE OF NONSENSE-MEDIATED MRNA DECAY FUNCTION  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows 95  
; SOFTWARE: FastSeq for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/177,431  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/955,472  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fasse, J. Peter  
; REGISTRATION NUMBER: 32,983  
; REFERENCE/DOCKET NUMBER: 07917/050001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617/542-5070  
; TELEFAX: 617/542-9806  
; TELEFAX: 200154  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2295 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
US-09-177-431-3

Query Match 2.3%; Score 42.2; DB 3; Length 2295;  
Best Local Similarity 49.8%; Pred. No. 0.03;  
Matches 107; Conservative 0; Mismatches 108; Indels 0; Gaps 0;

QY 212 AATTGCAGAGAGAGTGTGCGCATGATGAAGAGAGACAGCGCTCTTCAAGATG 271

DB 1595 ATTACTAGGAGGAGTAAAGACCGGAGATAGTACCCGAACACAGAGTCAAGCCAG 1654  
QY 272 GCATGACAGAGTCAAGCACCAGGACCCCAAGAGAGCCCTGGAGAGTGTGACCCAG 331  
DB 1655 GAAACATCAGGCAAGCAAGACGAAAGTGAAGATGAAGAGATGAGAGACATGACGAG 1714  
QY 332 AGATGACAGACCGCTTATATATGAGAGCTGCTGAGTACGACTTAAATATGATG 391  
DB 1715 ATGATGACGATGACGATGACATGATGATGATGAGGAAAGGCGATGAGATGATG 1774  
QY 392 AGAAGGTGACCCAGATGCTGAGACTTGTGGAA 426  
DB 1775 ATGAGATGATGATGATGATGATGATGATGAA 1809

RESULT 7  
PCT-US95-16930-3  
; Sequence 3, Application PC/TUS9516930  
; GENERAL INFORMATION:  
; APPLICANT: UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL  
; TITLE OF INVENTION: HETEROLOGOUS POLYPEPTIDE  
; TITLE OF INVENTION: PRODUCTION IN THE ABSENCE OF  
; TITLE OF INVENTION: NONSENSE-MEDIATED MRNA DECAY  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson  
; STREET: 225 Franklin Street Suite 3100  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/16930  
; FILING DATE: 27-DEC-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/375,300  
; FILING DATE: 20-JAN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Faase, J. Peter  
; REGISTRATION NUMBER: 32,983  
; REFERENCE/DOCKET NUMBER: 04020/046W01  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)542-5070  
; TELEFAX: (617)542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2295 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; PCT-US95-16930-3

Query Match 2.3%; Score 42.2; DB 5; Length 2295;  
Best Local Similarity 49.8%; Pred. No. 0.03; Indels 0; Gaps 0;  
Matches 107; Conservative 0; Mismatches 108;

QY 212 AATTGCAAGAAGAGTGTGCGAGTGAAGAGACAGGCGAGTCTTCAGAAATG 271  
DB 1595 ATTACTAGGAGGAGTAAAGACCGGAGATAGTACCCGAACACAGAGTCAAGCCAG 1654  
QY 272 GCATGACAGAGTCAAGCACCAGGACCCCAAGAGAGCCCTGGAGAGTGTGACCCAG 331  
DB 1655 GAAACATCAGGCAAGCAAGACGAAAGTGAAGATGAAGAGATGAGAGACATGACGAG 1714

QY 332 AGATGACAGACCGCTTATATATGAGAGCTGCTGAGTACGACTTAAATATGATG 391  
DB 1715 ATGATGACGATGACGATGACATGATGATGATGAGGAAAGGCGATGAGATGATG 1774  
QY 392 AGAAGGTGACCCAGATGCTGAGACTTGTGGAA 426  
DB 1775 ATGAGATGATGATGATGATGATGATGATGAA 1809

RESULT 8  
US-08-375-300-1  
; Sequence 1, Application US/08375300  
; Patent No. 5679566  
; GENERAL INFORMATION:  
; APPLICANT: Feng, He  
; APPLICANT: Jacobson, Allan S.  
; TITLE OF INVENTION: HETEROLOGOUS POLYPEPTIDE PRODUCTION IN  
; TITLE OF INVENTION: THE ABSENCE OF NONSENSE-MEDIATED MRNA DECAY FUNCTION  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson  
; STREET: 225 Franklin Street Suite 3100  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/375,300  
; FILING DATE: 20-JAN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Faase, J. P.  
; REGISTRATION NUMBER: 32,983  
; REFERENCE/DOCKET NUMBER: 04020/046001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)542-5070  
; TELEFAX: (617)542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4080 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; US-08-375-300-1

Query Match 2.3%; Score 42.2; DB 1; Length 4080;  
Best Local Similarity 49.8%; Pred. No. 0.041;  
Matches 107; Conservative 0; Mismatches 108; Indels 0; Gaps 0;

QY 212 AATTGCAAGAAGAGTGTGCGAGTGAAGAGACAGGCGAGTCTTCAGAAATG 271  
DB 3044 ATTACTAGGAGGAGTAAAGACCGGAGATAGTACCCGAACACAGAGTCAAGCCAG 3103  
QY 272 GCATGACAGAGTCAAGCACCAGGACCCCAAGAGAGCCCTGGAGAGTGTGACCCAG 331  
DB 3104 GAAACATCAGGCAAGCAAGACGAAAGTGAAGATGAAGAGATGAGAGACATGACGAG 3163  
QY 332 AGATGACAGACCGCTTATATATGAGAGCTGCTGAGTACGACTTAAATATGATG 391  
DB 3164 ATGATGACGATGACGATGACATGATGATGATGAGGAAAGGCGATGAGATGATG 3223  
QY 392 AGAAGGTGACCCAGATGCTGAGACTTGTGGAA 426  
DB 3224 ATGAGATGATGATGATGATGATGATGATGAA 3258

RESULT 9



## CORRESPONDENCE ADDRESS:

ADDRESSEE: No. 6239264artis Corporation  
STREET: 3054 Cornwalis Road  
CITY: Research Triangle Park  
STATE: No. 6239264th Carolina  
COUNTRY: USA  
ZIP: 27709

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/998,416  
FILING DATE: 24-DEC-1997  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: CH 0016/97  
FILING DATE: 31-DEC-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Meigs, J. Timothy  
REGISTRATION NUMBER: 38,241  
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CCG1976  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 919-541-8587  
TELEFAX: 919-541-8689

## INFORMATION FOR SEQ ID NO:

1050:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 696 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ORIGINAL SOURCE:  
ORGANISM: PAG1640UP  
US-08-998-416-1050

## Query Match

Best Local Similarity 2.3%; Score 41.8; DB 4; Length 696;  
Matches 95; Conservative 0; Pred. No. 0.022; Mismatches 67; Indels 3; Gaps 1;

QY 604 GAACACTCTTTTATGATACCATGATATACCTGTGCGATATCCCTGAGTGTGAA 663  
DB 452 GACCGCTGTTGATAGTCACACGACCTGATGTTCCCGGCTTCCCTGTGCTGAG 511  
QY 664 TGGGTGAATTTGATCTAGCCAGAA--TGATTCTAGTGAATTAATGCTGTAGA 720  
DB 512 TGGGTGAATCTAGCCGCGGGTGAACCTGACGCGCGGAACTTTGCGGCGGTGCG 571  
QY 721 AACATGACCCCTGTTATGAAAGTGTGGACCTTGATATAGTGAC 765  
DB 572 ACCTTCGACCCACGATCGAGCTGTGAACCTGAGACTGTGTGAC 616

## RESULT 12

US-08-728-323A-1  
Sequence 1, Application US/08728323A  
Patent No. 5948676

## GENERAL INFORMATION:

APPLICANT: Chang, Yuan  
APPLICANT: Bohenzky, Roy A.  
APPLICANT: Russo, James J.  
APPLICANT: Edelman, Isidore S.  
APPLICANT: Moore, Patrick S.  
TITLE OF INVENTION: Immediate Early Protein From Kaposi's  
TITLE OF INVENTION: Sarcoma-Associated Herpesvirus, DNA  
TITLE OF INVENTION: Encoding Same And Uses Thereof  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cooper & Dunham LLP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York

## COUNTRY: U.S.A.

ZIP: 10036

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/728,323A  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 0575/52268/JPM/MS/SKS  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-278-0400  
TELEFAX: 212-391-0525  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3489 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)

## FEATURE:

NAME/KEY: CDS  
LOCATION: 1..3489  
US-08-728-323A-1

## Query Match

Best Local Similarity 2.3%; Score 41.8; DB 2; Length 3489;  
Matches 121; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

QY 173 AAGAGAGTAAACCGCTCATTGCTGAGCGAAAGAAATTCAGAGAAAGTGTG 232  
DB 989 ATGATGAGAGAGAGAGAGAGAGATGAGAGAGAGATGAGAGAGAGATGAG 1048  
QY 233 GCAGTATGAGAGAGAGAGAGAGAGTCTTCAGAAATGATGATGATGATGAT 232  
DB 1049 AGGAGATGAGAGAGAGAGATGAGAGAGATGAGAGAGATGAGAGAGATGAG 1108  
QY 293 AGGAG 352  
DB 1109 AGGAGATGAG 1168  
QY 353 ATGATGAGTGTGCTGAGTACGACTTAATTAATGATGAGAGAGTGAACCAAT 412  
DB 1169 AGGAG 1228  
QY 413 AGACTCTTGTGA 425  
DB 1229 ACAATGAGAGAGA 1241

## RESULT 13

US-09-298-568-1  
Sequence 1, Application US/09298568  
Patent No. 6322792

## GENERAL INFORMATION:

APPLICANT: Kieff, Elliott D.  
APPLICANT: Ballesbae, Mary E.  
APPLICANT: Kaye, Kenneth M.  
TITLE OF INVENTION: RHADINO VIRUS LANA ACTS IN TRANS ON A UNIT OF RHADINO  
TITLE OF INVENTION: VIRUS DNA TO MEDIATE EFFICIENT EPISOME PERSISTENCE  
FILE REFERENCE: 16412-10001R  
CURRENT APPLICATION NUMBER: US/09/298,568  
EARLIER APPLICATION NUMBER: US 60/109,422  
EARLIER FILING DATE: 1998-11-19  
NUMBER OF SEQ ID NOS: 3  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 1

LENGTH: 3489  
TYPE: DNA  
ORGANISM: Kaposi's sarcoma-associated herpesvirus  
US-09-298-568-1

Query Match 2.3%; Score 41.8; DB 4; Length 3489;  
Best Local Similarity 47.8%; Pred. No. 0.049;  
Matches 121; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

QY 173 AAGAAAGTAAACCGCTCATTTGCTGAGGCAAGAGAAATTGCAAGAAAGAGTGTG 232  
DB 989 ATGATGAGAGGAGGACGAGAGACAGATGAGAGGACGAGAGATGACGAGAGATGACG 1048  
QY 233 GCAGTATGAAGAGAGACAGGACGCTCTTCAAGAGATGCGATGCGACGACCC 292  
DB 1049 AGGAGATATACGAGAGAGATGACGAGAGAGATGACGAGAGATGACGAGAGATGACG 1108  
QY 293 AGGCACGCCAAGAGAGCCCTTGAGAGATGTGACCCAGAGATGACAGACGCTTGATG 352  
DB 1109 AGGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAG 1168  
QY 353 ATGATGAGCTGCTGAGTACGACTTAGATTAATATGATGAGGAAGTGACCCGATGCTG 412  
DB 1169 AGGAGAGAGACGAGAGAGAGAGACGAGAGAGAGAGAGAGAGAGATGATGATGAGG 1228  
QY 413 AGACTCTTGCTGA 425  
DB 1229 ACAATGAGAGCGA 1241

## RESULT 14

US-08-770-379-20/c  
Sequence 20, Application US/08770379  
Patent No. 5849564

GENERAL INFORMATION:  
APPLICANT: Chang, Yuan  
APPLICANT: Bohenzky, Roy A.  
APPLICANT: Russo, James J.  
APPLICANT: Edelman, Isidore S.  
APPLICANT: Moore, Patrick S.  
TITLE OF INVENTION: POLYPEPTIDES FROM KAPOSI'S SARCOMA-ASSOCIATED  
TITLE OF INVENTION: HERPESVIRUS, DNA ENCODING SAME AND USES THEREOF  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESS: Cooper & Dunham LLP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/770,379  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 52342  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 278-0400  
TELEFAX: (212) 391-0525  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 32207 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)

US-08-770-379-20

Query Match 2.3%; Score 41.8; DB 2; Length 32207;  
Best Local Similarity 47.8%; Pred. No. 0.15;  
Matches 121; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

QY 173 AAGAAAGTAAACCGCTCATTTGCTGAGGCAAGAGAAATTGCAAGAAAGAGTGTG 232  
DB 21008 ATGATGAGAGGAGGACGAGAGACAGATGAGAGAGACGAGAGATGACGAGAGATGACG 20949  
QY 233 GCAGTATGAAGAGAGACAGGACGCTCTTCAAGAGATGCGATGCGACGACCC 292  
DB 20948 AGGAGATATACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAG 20889  
QY 293 AGGCACGCCAAGAGAGCCCTTGAGAGATGTGACCCAGAGATGACAGACGCTTGATG 352  
DB 20888 AGGAGATATACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGAG 20829  
QY 353 ATGATGAGCTGCTGAGTACGACTTAGATTAATATGATGAGGAAGTGACCCGATGCTG 412  
DB 20828 AGGAGAGAGACGAGAGAGAGAGACGAGAGAGAGAGAGAGAGAGATGATGATGAGG 20769  
QY 413 AGACTCTTGCTGA 425  
DB 20768 ACAATGAGAGCGA 20756

## RESULT 15

US-08-757-669A-20/c  
Sequence 20, Application US/08757669A  
Patent No. 6183751

GENERAL INFORMATION:  
APPLICANT: Chang, Yuan  
APPLICANT: Bohenzky, Roy A.  
APPLICANT: Russo, James J.  
APPLICANT: Edelman, Isidore S.  
APPLICANT: Moore, Patrick S.  
TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS  
TITLE OF INVENTION: SEQUENCES AND USES THEREOF  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESS: Cooper & Dunham LLP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/757,669A  
FILING DATE:  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 45185-F  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 278-0400  
TELEFAX: (212) 391-0525  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 32207 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-757-669A-20

Query Match 2.3%; Score 41.8; DB 4; Length 32207;

Best Local Similarity 47.8%; Pred. No. 0.15;  
Matches 121; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

Matches 121; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

173 AAGAGAAGTAAACGCCCTCATTTGCTGAGGCAAGGAATTCACAGAAGGTGTG 232

Db 21008 ATGATGAGGAGCAGGAGACGATGAGGAGGACGAGGAGGATGACGAGGAGGATGACG 20949

233 GCAGTGTGAAGAGGACAGGCAGTCTTCAGAAGATGGCATGCAGAGTGCAACGCC 292

Db 20948 AGGAGGTGACGAGGAGGATGACGAGGAGGATGACGAGGAGGATGACG 20889

293 AGGCACGCCCAAGAGAGCCCTGGAGATGCTGACCCAGAGGATGACAGACGCTTGATG 352

Db 20888 AGGAGTGACGAGGAGGATGACGAGGAGGATGACGAGGAGGAGGACG 20829

353 ATGATGAGCTGGCTGAGTACGACTTAGATAAATATATGATGAGGAAGGTGACCCAGATGCTG 412

Db 20828 AGGAGGACGAGGAGGAGGAGGAGGAGGAGGATGCATGTGAGG 20769

QY 413 AGACTCTTGCTGA 425

Db 20768 ACAATGAGGACGA 20756

Search completed: March 20, 2003, 12:04:43  
Job time : 224 secs

Job time : 224 secs